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1 Confident estimation for multistage measurement sampling and aggr
Edith Cohen, Nick Duffield, Carsten Lund, Mikkel Thorup
June 2008   **SIGMETRICS '08:** Proceedings of the 2008 ACM SIGMETRIC
                 modeling of computer systems
Publisher: ACM Request Permissions
Full text available: 📄 Pdf (558.55 KB)   Additional Information: full citation, ab

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Measurement, collection, and interpretation of network usage data com
aggregation. Examples include sampling packets, aggregating them int⊂
aggregation of usage records ...

Keywords: confidence intervals, estimation, network measurement, sa

2 Towards a cross-platform microbenchmark suite for evaluating hard⋁
Roberto Araiza, Maria Gabriela Aguilera, Thientam Pham, Patricia J. Teller
October 2005   **TAPIA '05:** Proceedings of the 2005 conference on Diversity
Publisher: ACM
Full text available: 📄 Pdf (233.08 KB)   Additional Information: full citation, ab

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As useful as performance counters are, the meaning of reported aggreg
Questions arise due to unanticipated processor behavior, overhead asso
monitored code, hardware ...

Keywords: hardware performance counters, microbenchmarks

3 In-network surface simplification for sensor fields
Brian Harrington, Yan Huang
November 2005   **GIS '05:** Proceedings of the 13th annual ACM international
Publisher: ACM Request Permissions
Full text available: 📄 Pdf (347.32 KB)   Additional Information: full citation, ab

Bibliometrics: Downloads (6 Weeks): 4,   Downloads (12 Months): 30,   Downloa

Recent research literature on sensor network databases has focused on
of sensor readings to reduce the message cost. However, with these te⊂

particular location is ...

Keywords: energy efficient, in-network surface simplification, sensor fi

4 Big-bang simulation for embedding network distances in Euclidean s
Yuval Shavitt, Tomer Tankel
December 2004 **IEEE/ ACM Transactions on Networking (TON)** , Volume
Publisher: IEEE Press
Full text available: Pdf (1.08 MB)   Additional Information: full citation, ab

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 53, Downloa

Embedding of a graph metric in Euclidean space efficiently and accurate
applications in topology aggregation, closest mirror selection, and applic
embedding scheme called ...

5 Bandwidth-constrained queries in sensor networks
Antonios Deligiannakis, Yannis Kotidis, Nick Roussopoulos
May 2008   **The VLDB Journal — The International Journal on Very**
Publisher: Springer-Verlag New York, Inc.
Full text available: Pdf (423.56 KB)   Additional Information: full citation, ab

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 66, Downlo

Sensor networks consist of battery-powered wireless devices that are re
time. Thus, reducing energy drain is of utmost importance when design
networks. Aggregate ...

Keywords: In-network aggregation, Sensor networks

6 Communications of the ACM: Volume 52 Issue 3
March 2009   Communications of the ACM
Publisher: ACM
Full text available: Digital Edition , Pdf (7.04 MB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 448, Downloads (12 Months): 2863, Dov

7 Exploiting nonstationarity for performance prediction
Christopher Stewart, Terence Kelly, Alex Zhang
June 2007   **EuroSys '07:** Proceedings of the 2nd ACM SIGOPS/EuroSys
Publisher: ACM
Full text available: Pdf (2.81 MB)   Additional Information: full citation, ab

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 110, Downl

Real production applications ranging from enterprise applications to larg
noted characteristic: The relative frequencies of transaction types in the
transaction ...

Keywords: LAR regression, enterprise, internet services, mutli-tier, no
prediction, realistic workloads

Also published in:
  June 2007 **SIGOPS Operating Systems Review** Volume 41 Issue 3

8 Tributaries and deltas: efficient and robust aggregation in sensor net
Amit Manjhi, Suman Nath, Phillip B. Gibbons
June 2005   **SIGMOD '05:** Proceedings of the 2005 ACM SIGMOD interna
Publisher: ACM Request Permissions
Full text available: Pdf (496.66 KB)   Additional Information: full citation, ab

Bibliometrics: Downloads (6 Weeks): 11,   Downloads (12 Months): 90,   Downlo

Existing energy-efficient approaches to in-network aggregation in senso
tree-based and multi-path-based, with each having unique strengths an
Tributary-Delta, a ...

9 Communications of the ACM: Volume 52 Issue 9
September 2009 Communications of the ACM
Publisher: ACM
Full text available: Digital Edition , Pdf (7.28 MB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 3344,   Downloads (12 Months): 4217,   Dc

10 The context-switch overhead inflicted by hardware interrupts (and th
Dan Tsafrir
June 2007   **ExpCS '07:** Proceedings of the 2007 workshop on Experimen
Publisher: ACM
Full text available: Pdf (683.17 KB)   Additional Information: full citation, ab

Bibliometrics: Downloads (6 Weeks): 9,   Downloads (12 Months): 76,   Downloa

The overhead of a context switch is typically associated with multitaskin
But even if only one runnable application is present in the system and s
preempted in ...

Keywords: clock interrupts, operating system noise, ticks

11 Monitoring data archives for grid environments
Jason Lee, Dan Gunter, Martin Stoufer, Brian Tierney
November 2002 **Supercomputing '02:** Proceedings of the 2002 ACM/IEEE
Publisher: IEEE Computer Society Press
Full text available: Pdf (107.31 KB)   Additional Information: full citation, ab

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 43,   Downloa

Developers and users of high-performance distributed systems often ob
unexpectedly low throughput or high latency. To determine the source o
end monitoring data from applications, ...

12 The schur aggregation for solving linear systems of equations
V. Y. Pan, B. Murphy, R. E. Rosholt, M. Tabanjeh
July 2007   **SNC '07:** Proceedings of the 2007 international workshop on
Publisher: ACM Request Permissions
Full text available: Pdf (296.27 KB)   Additional Information: full citation, ab

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 25, Downloa

According to our previous theoretical and experimental study, additive ʃ
conditioned matrices, but application of such preconditioners to facilitatⅰ
In the present ...

Keywords: Iterative Refinement, additive preconditioning, linear systeⅰ

13 Scalable omniscient debugging
Guillaume Pothier, Éric Tanter, José Piquer
October 2007 **OOPSLA '07:** Proceedings of the 22nd annual ACM SIGPLAN
        systems and applications
Publisher: ACM Request Permissions
Full text available: Pdf (1.60 MB)   Additional Information: full citation, ab

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 137, Downl

Omniscient debuggers make it possible to navigate backwards in time ᴡ
improving the task of debugging complex applications. Still, they are mⅰ
raised by the potentially ...

Keywords: execution traces, interface components, omniscient debugg
distributed database

Also published in:
    October 2007 **SIGPLAN Notices** Volume 42 Issue 10

14 Queue: Volume 7 Issue 1
January 2009 Queue
Publisher: ACM
Full text available: Digital Edition , Pdf (2.84 MB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 35, Downloads (12 Months): 317, Downl

15 Adaptive rank-aware query optimization in relational databases
Ihab F. Ilyas, Walid G. Aref, Ahmed K. Elmagarmid, Hicham G. Elmongui, Ⴝ
December 2006 **Transactions on Database Systems (TODS)** , Volume 31 Ⅰ
Publisher: ACM Request Permissions
Full text available: Pdf (1.48 MB)   Additional Information: full citation, ab

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 155, Downl

Rank-aware query processing has emerged as a key requirement in moⅰ
and adaptive evaluation of top-k queries is an integral part of the applⅰc
rank-aware ...

Keywords: Advanced query processing, adaptive processing, rank-awa

16 Enhancing Software Testing by Judicious Use of Code Coverage Inf
Stefan Berner, Roland Weber, Rudolf K. Keller

May 2007   **ICSE '07:** Proceedings of the 29th international conference o
Publisher: IEEE Computer Society
Full text available: Pdf (1.23 MB)   Additional Information: full citation, ab

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 106, Downl

Recently, tools for the analysis and visualization of code coverage have
value in assessing and improving the quality of automated test suites se
well as experience ...

17 Implementing reliable event streams in large systems via distributed
Krzysztof Ostrowski, Ken Birman, Danny Dolev, Chuck Sakoda
July 2009   **DEBS '09:** Proceedings of the Third ACM International Confer
Publisher: ACM
Full text available: Pdf (1.89 MB)   Additional Information: full citation, ab

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 5, Download

Strong reliability properties, such as state machine replication and virtu
manner. They are typically expressed in terms of global membership vie
scalable. We propose ...

Keywords: aggregation, data flow, membership, protocol, scalability

18 Constructing collaborative desktop storage caches for large scientific
Sudharshan S. Vazhkudai, Xiaosong Ma, Vincent W. Freeh, Jonathan W. St
Stephen L. Scott
August 2006   **Transactions on Storage (TOS)** , Volume 2 Issue 3
Publisher: ACM Request Permissions
Full text available: Pdf (833.76 KB)   Additional Information: full citation, ab

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 135, Downl

High-end computing is suffering a *data deluge* from experiments, simul
application dataset sizes. This has led to the proliferation of high-end m
data ...

Keywords: Distributed storage, parallel I/O, scientific data managem
storage networking, storage resouce management, storage scavenging

19 Robust Process Discovery with Artificial Negative Events
Stijn Goedertier, David Martens, Jan Vanthienen, Bart Baesens
June 2009   **The Journal of Machine Learning Research** , Volume 10
Publisher: MIT Press
Full text available: Pdf (599.01 KB)   Additional Information: full citation, ab

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 10, Downloa

Process discovery is the automated construction of structured process n
event logs often contain positive examples only. Without negative exam
between recall ...

20

Using virtual markets to program global behavior in sensor networks
Geoff Mainland, Laura Kang, Sebastien Lahaie, David C. Parkes, Matt Weisl
September 2004 **EW11:** Proceedings of the 11th workshop on ACM SIGOPS
Publisher: ACM
Full text available: Pdf (175.76 KB)   Additional Information: full citation, ab

Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 42,   Downloa

This paper presents *market-based macroprogramming (MBM)*, a new pa
in sensor networks. Rather than programming the individual, low-level l
market where ...

Result page